

DETERMINATION OF DAM HAZARD CLASSIFICATION

Location: Latitude _____ Longitude _____
_____/4, _____/4, Section _____, T _____, R _____, _____ County, Indiana
Nearest downstream town is _____ (Population _____) _____ miles from dam

NRCS Program

() CO-01 () Pilot () RC&D () Other (specify) _____
() GPCP () WF-03 () PL-566 Watershed _____

Landowner (or Site) _____

Purposed (more than one may be checked)

() flood prevention () recreation () irrigation () grade stabilization
() debris control () hydro power () M&I () fish & wildlife
() livestock () other _____

Is dam in series? Yes _____ No _____

If yes, identify other structures and explain _____

Site Information:

Drainage area:

Controlled _____ acres _____ sq. mi.
Uncontrolled _____ acres _____ sq. mi.
Total _____ acres _____ sq. mi.

Type of Dam

() earth
() gravity
() rockfill
() other

Principal Spillway

() concrete pipe
() CMP
() concrete box
() open concrete
() other

Emergency Spillway

() none
() vegetated
() earth
() rock
() structural
() other

Dam and Reservoir Data:

Elevation

Area

Total Storage

Top of dam _____ acres _____ ac. ft.

Emergency spillway crest _____ acres _____ ac. ft.

Normal pool _____ acres _____ ac. ft.

Channel bottom elevation under centerline of fill. _____

Floodplain elevation at toe of fill _____

Channel outlet elevation at toe of fill _____

Depth of normal pool at upstream toe of dam _____ feet

Effective height of dam (TR60 definition) _____ feet

Total height of dam (top of fill to channel outlet) _____ feet

Storage Capacity

sediment _____ ac. ft. flood storage _____ ac. ft..
other beneficial _____ ac. ft. surcharge _____ ac. ft.
total _____ ac. ft.

Is there a drawdown pipe? Yes _____ No _____

If yes, what is the lowest elevation pool can be drawn down to? _____

Downstream Conditions:

(Use supplemental sheets as necessary)

1. Valley Conditions -

Convergent _____ Divergent _____ Parallel _____ Slope _____ %

Describe _____

2. Stream channel dimensions -

Bottom width _____ feet; Depth _____ feet; Side Slopes _____

3. Roughness or Retardance - Estimated "n" or description of cover -

Valley: _____

Channel: _____

4. Buildings & Utilities:

Describe kind, distance downstream and height above stream channel bank.

5. Transportation Facilities:

a. Roads & Railroads

Describe kind, distance downstream of dam and height above stream channel bank to low point of road approaches.

b. Bridges -

Describe kind, area of opening (s) and distance from stream channel bank to deck.

6. Potential for Downstream Development:

Hazard Class Assigned: _____

Rationale: _____

Attachments: () breach routings () map(s) () cross sections

() other (identify) _____

Hazard Analysis by _____ Date _____

Name

Title

Approved by _____ Date _____

(Classes I to V)

Name

Title

Approved by _____ Date _____

(Class VI to VIII)

Name

Title